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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/629,596	07/31/2000	Michael J. Adang	UGR-100X	4280

23557 7590 03/08/2002

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GAINESVILLE, FL 326066669

EXAMINER

PONNALURI, PADMASHRI

ART UNIT PAPER NUMBER

1627

DATE MAILED: 03/08/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
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Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/629,596	7/31/00		

EXAMINER	
P. Ponnaluri	
ART UNIT	PAPER NUMBER
1627	12

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application
Commissioner of Patents

The communication filed on 1/8/02 is not fully responsive to the communication mailed 9/24/01 for the reason(s) set forth on the attached Notice to Comply With the Sequence Rules or CRF Diskette Problem Report.

If a complete response has not been submitted by the time the shortened statutory period for response set in the communication mailed [mail date] has expired, this application will become abandoned unless applicant corrects the deficiency and obtains an extension of time under 37 C.F.R. 1.136. In no case may an applicant extend the period for response beyond the six month statutory period.

Any inquiry concerning this communication should be directed to Examiner Ponnaluri, Art Unit 1627, whose telephone number is 703-305-3884.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

P. Ponnaluri
25 February 2002


PADMASHRI PONNALURI
PRIMARY EXAMINER

Application No.: 09/629,596

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: ***see the attached Raw Sequence listing errors.***

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

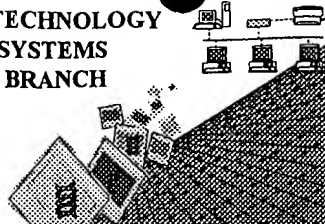
PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

1627

BIOTECHNOLOGY
SYSTEMS
BRANCH

RECEIVED

FEB 13 2002

TECH CENTER 1600/290

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/629,596B
Source: 1627
Date Processed by STIC: 2/5/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

RECEIVED
FEB 13 2002
TECH CENTER 1600/2900

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/629,596B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 **Wrapped Nucleics** **Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 **Misaligned Amino** **Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 **PatentIn 2.0** **"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 **Skipped Sequences** **(OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 **Skipped Sequences** **(NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 **Use of n's or Xaa's** **(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 **Invalid <213>** **Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. *Do not combine response.*
- 11 **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 **PatentIn 2.0** **"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 **Misuse of n** n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1627

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/629,596B

DATE: 02/05/2002
TIME: 14:45:42

Input Set : A:\UGR-100X.txt
Output Set: N:\CRF3\02052002\I629596B.raw

pp 1-2
**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: Adang, Michael
4 Kasman, Laura
6 <120> TITLE OF INVENTION: Phage Display of a Biologically Active Bacillus
thurinigensis Toxin
8 <130> FILE REFERENCE: UGR-100X
10 <140> CURRENT APPLICATION NUMBER: 09/629,596B
11 <141> CURRENT FILING DATE: 2000-07-31
13 <150> PRIOR APPLICATION NUMBER: US 60/146,646
14 <151> PRIOR FILING DATE: 1999-07-30
16 <160> NUMBER OF SEQ ID NOS: 6
18 <170> SOFTWARE: PatentIn version 3.0
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 50
22 <212> TYPE: DNA
c--> 23 <213> ORGANISM: Artificial/Unknown
25 <220> FEATURE:
26 <221> NAME/KEY: misc_feature
27 <222> LOCATION: ()..()
28 <223> OTHER INFORMATION: primer
31 <400> SEQUENCE: 1
32 gtgagtgtgagt ggccgacggg gccgctggaa tggacaacaa tcccaacatc 50
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 54
37 <212> TYPE: DNA
c--> 38 <213> ORGANISM: Artificial/Unknown
40 <220> FEATURE:
41 <221> NAME/KEY: misc_feature
42 <222> LOCATION: ()..()
43 <223> OTHER INFORMATION: primer
46 <400> SEQUENCE: 2
47 tgagtgtagtc ggccccagag gccctgcagc tccctcgagc gttgcagtaa cggg 54
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 20
52 <212> TYPE: DNA
c--> 53 <213> ORGANISM: Artificial/Unknown
55 <220> FEATURE:
56 <221> NAME/KEY: misc_feature
57 <222> LOCATION: ()..()
58 <223> OTHER INFORMATION: primer
61 <400> SEQUENCE: 3
62 gaggctcgaa aggtaccgtc 20
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 20
67 <212> TYPE: DNA

*invalid - see item 10 on Error Summary
Sheet*

RAW SEQUENCE LISTING

DATE: 02/05/2002

PATENT APPLICATION: US/09/629,596B

TIME: 14:45:42

Input Set : A:\UGR-100X.txt

Output Set: N:\CRF3\02052002\I629596B.raw

C--> 68 <213> ORGANISM: Artificial/Unknown
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: ()..()
73 <223> OTHER INFORMATION: primer
76 <400> SEQUENCE: 4
77 gacggtacct ttcgaggctc 20
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 90
82 <212> TYPE: DNA
C--> 83 <213> ORGANISM: Artificial/Unknown
85 <220> FEATURE:
86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: ()..()
88 <223> OTHER INFORMATION: primer
91 <400> SEQUENCE: 5
92 ctcgctcgcc catatgcggc cgcaggtctc ctctcttag cagcacaacc agcaatggcc 60
94 atggataaca atccgaacat caatgaatgc 90
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 50
99 <212> TYPE: DNA
C--> 100 <213> ORGANISM: Artificial/Unknown
102 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
104 <222> LOCATION: ()..()
105 <223> OTHER INFORMATION: primer
108 <400> SEQUENCE: 6
109 atccgataaa tagctagcta aattggacac ttgatcaata tgataatccg 50

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/629,596B

DATE: 02/05/2002

TIME: 14:45:43

Input Set : A:\UGR-100X.txt

Output Set: N:\CRF3\02052002\I629596B.raw

L:23 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:38 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:53 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:68 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:83 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:100 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6



FACSIMILE COVER SHEET
PTO GROUP 1600
Fax Number (703) 308-7922

FROM: P. Ponnaluri

ART UNIT: 1627

SERIAL NO: 09/629,596

TO: Attorney John Gibbs

COMPANY: _____

FAX NUMBER: 407-839-8589

OF PAGES: 8

(including this page) faxed on 3/21/02

PLEASE CALL THE EXAMINER AT (703) 305-3884.

THANK YOU.